

# SEARCH REQUEST FORM

Examiner # (Mandatory): 60484 Requester's Full Name: ANDRES KACHNIKOW

Art Unit 3700 Location (Bldg/Room#): CP2-2A01 Phone (circle 305 306 (308) 1137)

Serial Number: 091686,468 Results Format Preferred (circle): (PAPER) DISK E-MAIL

Title of Invention \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Date: \_\_\_\_\_

Keywords (include any known synonyms registry numbers, explanation of initialisms):

*implantable non invasive rate-adjustable pumps  
Ingram - McMillan  
Medtronic*

## Search Topic:

Please write detailed statement of the search topic, and the concept of the invention. Describe as specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples of relevant citations, authors, etc., if known. You may include a copy of the abstract and the broadcast or most relevant claim(s).

*LIT SEARCH FOR 5,820,589*

## STAFF USE ONLY

Searcher: Jeanne Harrigan  
Searcher Phone #: 305-5934  
Searcher Location: CP2-2008  
Date Picked Up: 3/8  
Date Completed: 3/8  
Clerical Prep Time: 17  
Terminal Time: 3  
Number of Databases: \_\_\_\_\_

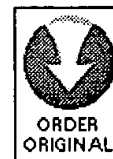
Type of Search  
\_\_\_\_ N.A. Sequence  
\_\_\_\_ A.A. Sequence  
\_\_\_\_ Structure (#)  
\_\_\_\_ Bibliographic  
\_\_\_\_ ☒ Litigation  
\_\_\_\_ Fulltext  
\_\_\_\_ Procurement  
\_\_\_\_ Other

Vendors (include cost where applicable)  
\_\_\_\_ STN  
\_\_\_\_ ☒ Questel/Orbit  
\_\_\_\_ ☒ Lexis/Nexis  
\_\_\_\_ WWW/Internet  
\_\_\_\_ In-house sequence systems (list)  
\_\_\_\_ ☒ Dialog  
\_\_\_\_ Dr. Link  
\_\_\_\_ Westlaw  
\_\_\_\_ Other (specify)

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INPADOC

**Basic Patent (Number,Kind,Date):** WO 9740872 A1 19971106**Patent Family:**

Patent Number	Kind	Date	Application Number	Kind	Date
AU 9727467	A1	19971119	AU 9727467	A	19970428
<u>US 5820589</u>	A	19981013	US 641363	A	19960430
WO 9740872	A1	19971106	WO 97US7114	A	19970428 (Basic)

**Priority Data:**

Patent Number	Kind	Date
US 641363	A	19960430
WO 97US7114	W	19970428

**PATENT FAMILY:****Australia (AU)**

Patent (Number,Kind,Date): AU 9727467 A1 19971119  
IMPLANTABLE NON-INVASIVE RATE ADJUSTABLE PUMP (English)  
Patent Assignee: MEDTRONIC INC  
Author (Inventor): TORGERSON NATHAN A; MCMULLEN RAYMOND  
Priority (Number,Kind,Date): US 641363 A 19960430; WO 97US7114 W 19970428  
Applic (Number,Kind,Date): AU 9727467 A 19970428  
IPC: \* A61M-005/142  
Derwent WPI Acc No: \* G 97-549504  
Language of Document: English

**United States of America (US)**

Patent (Number,Kind,Date): US 5820589 A 19981013  
IMPLANTABLE NON-INVASIVE RATE-ADJUSTABLE PUMP (English)  
Patent Assignee: MEDTRONIC INC (US)  
Author (Inventor): TORGERSON NATHAN A (US); MCMULLEN RAYMOND F (US)  
Priority (Number,Kind,Date): US 641363 A 19960430  
Applic (Number,Kind,Date): US 641363 A 19960430  
National Class: \* 604093000

IPC: \* A61M-011/00  
 Derwent WPI Acc No: \* G 97-549504  
 Language of Document: English

### United States of America (US) - Legal Status

Number	Type	Date	Code	Text	
US 5820589	P	19960430	US AE	APPLICATION DATA (PATENT)	(APPL. DATA (PATENT))
				US 641363 A 19960430	
US 5820589	P	19960715	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST	
				MEDTRONIC, INC. 3000 CENTRAL AVENUE NE MINNEAPOLIS, MINNESOTA 55432 ; TORGERSON, NATHAN A. : 19960709; MCMULLEN, RAYMOND F. :19960708	
US 5820589	P	19981013	US A	PATENT	
US 5820589	P	20010206	US RF	REISSUE APPLICATION FILED	(REISSUE APPL. FILED)
				20001011	

### World Intellectual Property Organization, PCT (WO)

Patent (Number,Kind,Date): WO 9740872 A1 19971106  
 IMPLANTABLE NON-INVASIVE RATE ADJUSTABLE PUMP (English)  
 Patent Assignee: MEDTRONIC INC (US)  
 Author (Inventor): TORGERSON NATHAN A; MCMULLEN RAYMOND  
 Priority (Number,Kind,Date): US 641363 A 19960430  
 Applic (Number,Kind,Date): WO 97US7114 A 19970428  
 Designated States: (National) AU; CA; JP (Regional) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE  
 Filing Details: WO 130000 With international search report; Before expiration of time limit for amending the claims and to be republished in the event of the receipt of the amendments  
 IPC: \* A61M-005/142  
 Derwent WPI Acc No: ; G 97-549504  
 Language of Document: English

### World Intellectual Property Organization, PCT (WO) - Legal Status

Number	Type	Date	Code	Text	
WO 9740872	P	19960430	WO AA	PRIORITY (PATENT)	
				US 641363 A 19960430	
WO 9740872	P	19970428	WO AE	APPLICATION DATA	(APPL. DATA)
				WO 97US7114 A 19970428	
WO 9740872	P	19971106	WO AK	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT	(DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
				AU CA JP	
WO 9740872	P	19971106	WO AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT	(DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
				AT BE CH DE DK ES FI FR GB GR IE IT LUMC NL PT SE	
WO 9740872	P	19971106	WO A1	PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT	(PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT)
WO 9740872	P	19971224	WO DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE	
WO 9740872	P	19980204	WO 121	EP: PCT APP. ART. 158 (1)	(EP: PCT ANM. ART. 158 (1))
WO 9740872	P	19990305	WO NENP	NON-ENTRY INTO THE NATIONAL PHASE IN: JP 97539132	
WO 9740872	P	19991030	WO NENP	NON-ENTRY INTO THE NATIONAL PHASE IN: CA	
WO 9740872	P	19991124	WO 122	EP: PCT APP. NOT ENT. EUROP. PHASE	(EP: PCT ANM. NICHT IN EUROP. PHASE EING.)

INPADOC/Family and Legal Status

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Dialog® File Number 345 Accession Number 13927187

**QUESTEL SEARCH RESULTS FOR US PATENT 5820589**  
**March 8, 2001**

Cluster : LEGAL  
Databases : LGST, CRXX, PAST, LITA  
Search statement 1: us5820589/pn

Term not in index/PN-LITA : US5820589  
LGST 1 [LEGAL STATUS]  
CRXX 1 [CLAIMS, REISSUE, REASSIGN., REEXAM INFO]  
PAST 1 [PATENT STATUS]  
LITA 0 [LITIGATION ALERT]  
\*\* SS 1 : Results 3

**1/3 LGST (1/1) - (C) LEGSTAT**

PN - US 5820589 [US5820589]  
AP - US 641363/96 19960430 [1996US-0641363]  
DT - US-P  
ACT - 19960430 US/AE-A  
APPLICATION DATA (PATENT)  
{US 641363/96 19960430 [1996US-0641363]}  
- 19960715 US/AS02  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
MEDTRONIC, INC. 3000 CENTRAL AVENUE NE MINNEAPOLIS, MINNESOTA 55432 \*  
TORGERSON, NATHAN A. : 19960709; MCMULLEN, RAYMOND F. : 19960708  
- 19981013 US/A  
PATENT  
- 20010206 US/RF  
REISSUE APPLICATION FILED  
20001011  
UP - 2001-06

**2/3 CRXX (1/1) - (C) CLAIMS/RRX**

AN - 3053842  
PN - 5,820,589 A 19981013 [US5820589]  
PA - Medtronic Inc  
PT - M (Mechanical)  
ACT - 20001011 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010206  
REISSUE REQUEST NUMBER: 09/686468  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3734

Reissue Patent Number:

UP - 2001-06  
UACT- 2001-02-06

**3/3 PAST (1/1) - (C) PAST**

AN - 200106-001129  
PN - 5820589 A [US5820589]  
DT - A (UTILITY)  
OG - 2001-02-06  
CO - REA  
ACT - REISSUE APPLICATION FILED  
SH - REISSUE APPLICATION FILED

LEXIS/NEXIS SEARCH RESULTS FOR US PATENT 5,820,589  
March 8, 2001

LEVEL 1 - 1 OF 1 PATENT

<5,820,589>

<=> GET 1st DRAWING SHEET OF 3

Oct. 13, 1998

Implantable non-invasive rate-adjustable pump

REISSUE: Reissue Application filed Oct. 11, 2000 (O.G. Feb. 6, 2001) Ex. Gp.:  
3734; Re. S.N. 09/686,468

CORE TERMS: pump, implantable, valve, fluid, patient, telemetry, programmer,  
reservoir, implanted, restrictor...  
>>>

5,820,589 OR 5820589

Your search request has found no [LAW] CASES.

Your search request has found no [LAW JOURNAL] ITEMS.

Your search request has found 2 STORIES through Level 1. [NEITHER STORY WAS  
RELEVANT. IN BOTH, THE NUMBER "5820589" IS A MONETARY FIGURE.]